

Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

Zip Code:

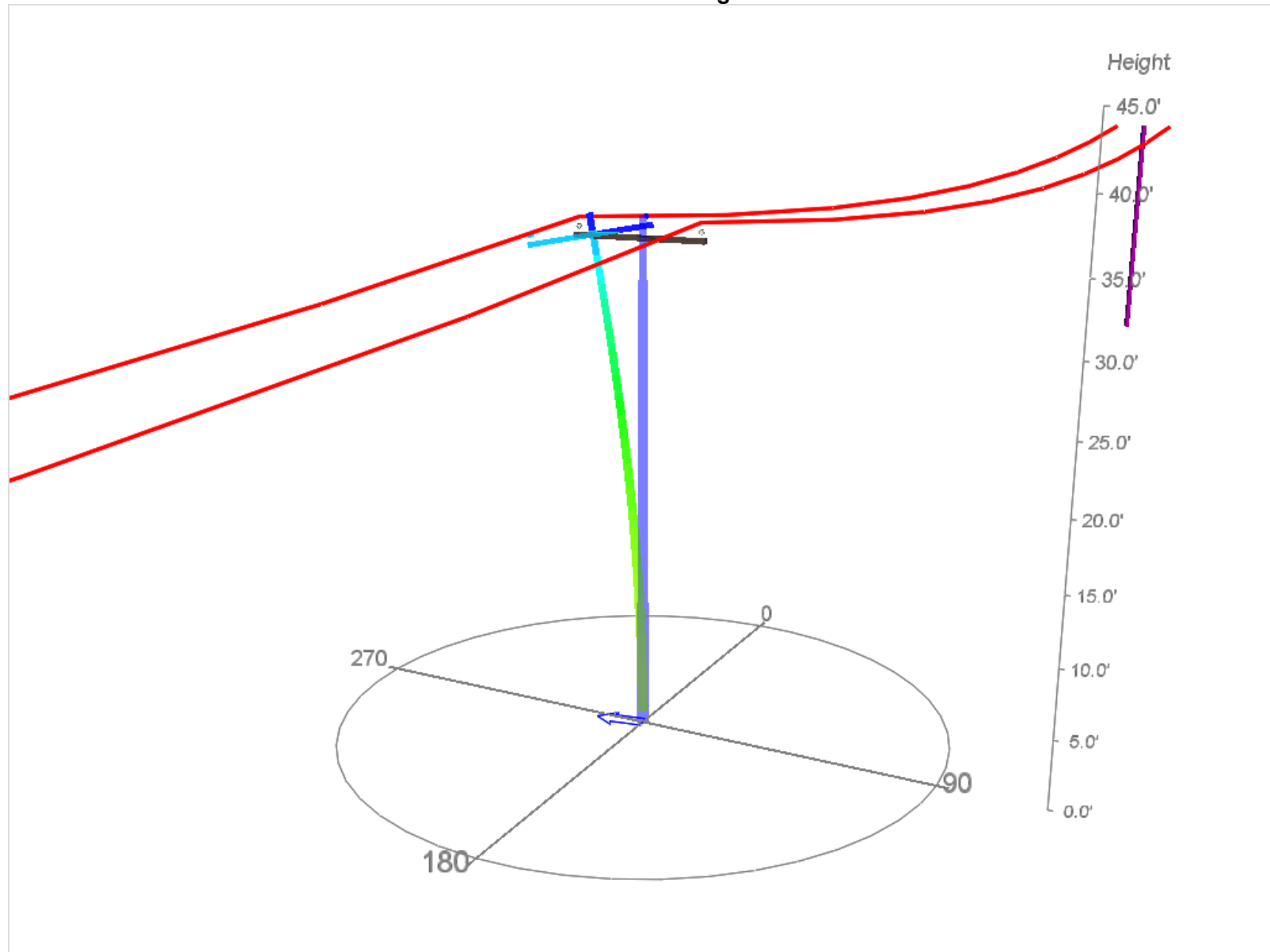
Cross Street 2:

Summary Notes:

Location Analysis Summary

Layer	Pole Length/Class	Minimum Safety Factor						Pole Strength Remaining	Loading Adjusted by Strength?	Clearance Violations Present?
		Pole	Guy	Anchor	Cross Arm	Insulator	Sidewalk Brace			
As Designed	45/4	2.96 from stress at 3' 3"	No Data	No Data	No Data	No Data	No Data	100%	Y	N

Theoretical: As Designed



Analysis Results

Loading

Component	In Service, 18 lb, Grade B (Governing Case)			In Service, Heavy, 6 lb, Grade B			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	2.96 from stress at 3' 3"	2706 / 8000 lb/in ²	260 °	4.49 from stress at 3' 3"	1782 / 8000 lb/in ²	90 °	8000 lb/in ²

Wire End Points and Wires

WEP#1													
Type	Environment	Distance	Direction		GPS Point		Inclination	Measured Between		Measured to Ground			
Next Pole	None	202'	0 °		Undefined.		0 °	N/A		N/A			
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, 18 lb, Grade B		In Service, Heavy, 6 lb, Grade B	
										Tension	Sag	Tension	Sag
Wire#1	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	37' 3"	0' 0"	0.28	319.48 lbf*	Dynamic	1086.67 lbf**	5' 2'***	1409.53 lbf**	4' 11'***
Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	37' 3"	0' 0"	0.28	319.48 lbf*	Dynamic	1099.56 lbf**	5' 1'***	1398.96 lbf**	4' 11'***

WEP#2													
Type	Environment	Distance	Direction		GPS Point		Inclination	Measured Between		Measured to Ground			
Previous Pole	None	223'	180 °		Undefined.		0 °	N/A		N/A			
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, 18 lb, Grade B		In Service, Heavy, 6 lb, Grade B	
										Tension	Sag	Tension	Sag
Wire#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	37' 3"	0' 0"	0.28	325.08 lbf*	Dynamic	1073.52 lbf**	6' 4'***	1405 lbf**	6' 0'***
Wire#4	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	37' 3"	0' 0"	0.28	325.08 lbf*	Dynamic	1083.14 lbf**	6' 3'***	1396.47 lbf**	6' 0'***

*Tension value used in an analysis may vary dependent on 'Average Length on Main Span' setting in the Load Case.

** Tension value is inclusive of environmental and load factors associated with the Load Case.

*** Sag value is inclusive of environmental and load factors associated with the Load Case.

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Cross Arm	36' 0"	Other	270 °	5' 0"	Insulator#1, Insulator#2

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	12 kV Post (Cross Arm)	0 °	0' 4"	Wire#1, Wire#4
Insulator#2	12 kV Post (Cross Arm)	0 °	9' 8"	Wire#2, Wire#3

Location 4224975E Location Forms

SAP

- Field Inspection Date: 04/12/2023
- High Fire: Elevated
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 73 - Victorville
- Region: ED-SE-DESERTRE
- Above 3000 Ft Elevation: Yes
- As Designed Work Type: Existing
- Access Notes:

Pole Info Form

- Pole Equipment #:
- Previous Inspection Date:
- Year Installed:
- As Is POA Height:
- As Is POA Diameter:
- As Designed POA Height:
- As Designed POA Diameter:
- Thomas Guide/Quadrant:
- Circuit:
- Substation:
- FIM:
- Location:
- City:
- Brand Height:
- Date Pole Load Performed:
- Comments:
- GPS Location: N/A

QC Comments

- QC Comments: